	Application No.	Applicant(s)
Notice of Allowability	10/645,050	JOHNSTON ET AL.
	Examiner	Art Unit
	Y. J. Han	2838
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT THE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OFF	(OR REMAINS) CLOSED in this ap or other appropriate communicatior GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to an amendment filed on	n 7/27/04.	
2. The allowed claim(s) is/are 1-9 and 11-18.		
3. \square The drawings filed on <u>8/21/03</u> are accepted by the Examine	er.	
 4. ☐ Acknowledgment is made of a claim for foreign priority unda a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.4 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date 7. ☐ DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT Feach sheet. 	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. tted. Note the attached EXAMINER is reason(s) why the oath or declara t be submitted. on's Patent Drawing Review (PTO- Amendment / Comment or in the Comment or in the Comment of the drawing header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL resuments.	national stage application from the complying with the requirements. S AMENDMENT or NOTICE OF ation is deficient. 948) attached Office action of the back) of d). must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Da 8), 7. ☐ Examiner's Amendr	te

DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-9 and 11-18 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Claim 1 recites, inter alia, a spiral wound filter capacitor, wherein the pulsating, direct current, voltage device is electrically connected to the spiral wound filter capacitor and the spiral wound filter capacitor is operable to be electrically connected to the electrostatic precipitator.

Claim 11 recites, inter alia, wherein high frequency spark current is decreased without significant attenuation of normal corona currents; utilizing a direct current voltage device connected to a capacitive element; and connecting said direct current voltage device and said capacitive element to said electrostatic precipitator, to provide the reshaping of said voltage waveform.

Claim 14 recites, inter alia, connecting between said pulsating direct current power source and the electrostatic precipitator, one or more electronic elements to reduce a ripple voltage and provide a collection efficiency in the electrostatic precipitator, said reduced ripple voltage occurring when the minimum, average and peak value voltage waveforms of the electrostatic precipitators are approximately equal.

The art of record does not disclose the above limitations, nor would it be obvious to modify the art of record so as to include either of the above limitations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. J. Han whose telephone number is 571-272-2078. The examiner can normally be reached on Mon-Fri 5:30am-2:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Sherry can be reached on 571-272-2084. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

J. Han

Primary Examiner

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